NETWORKS

An International Journal

JANUARY 2002 VOLUME 39, NUMBER 1

Volume Contents

On the Geodetic Number of a Graph 1
Gary Chartrand, Frank Harary, and Ping Zhang
Published online 16 November 2001

Minimax Inverse Problems of Minimum Cuts 7
Maiko Shigeno
Published online 16 November 2001

The Simplex Algorithm for Multicommodity Networks 15
Nina K. Detlefsen and Stein W. Wallace
Published online 16 November 2001

A Comparative Analysis of Several Formulations for the Generalized Minimum Spanning Tree Problem 29
Corinne Feremans, Martine Labbé, and Gilbert Laporte
Published online 4 December 2001

Balanced Network Flows. VII. Primal-Dual Algorithms 35
Christian Fremuth-Paeger and Dieter Jungnickel
Published online 4 December 2001

On Multiroute Maximum Flows in Networks 43
Charu C. Aggarwal and James B. Orlin
Published online 4 December 2001

A Linear-Size Zero–One Programming Model for the Minimum Spanning Tree Problem in Planar Graphs 53
Justin C. Williams
Published online 4 December 2001

MARCH 2002 VOLUME 39, NUMBER 2

Partial Line Directed Hypergraphs 61
Daniela Ferrero and Carles Padró
Published online 8 January 2002

A Simple Linear Time Algorithm for Finding a Maximum Independent Set of Circular Arcs Using Intervals Alone 68
Glenn K. Manacher and Terrance A. Mankus
Published online 8 January 2002

Edge-Cutsets in the Directed Hypercube 73
Paul L. Mariz and Shahriar Shahriari
Published online 8 January 2002

Minimum-Weight Rooted Not-Necessarily-Spanning Arborescence Problem 77
V. Venkata Rao and R. Sridharan
Published online 29 January 2002

Deterministic Radio Broadcasting at Low Cost 88
Anders Dessmark and Andrzej Pelc
Published online 29 January 2002

Oriented Hypercubes 98
Pierre Fraigniaud, Jean-Claude König, and Emmanuel Lazard
Published online 29 January 2002

Models for the Design and Analysis of a Large Package Sort Facility 107
Paul McAree, Lawrence Bodin, and Michael Ball
Published online 29 January 2002

MAY 2002 VOLUME 39, NUMBER 3

Degree- and Time-Constrained Broadcast Networks 121
Michael J. Dinneen, Geoffrey Pritchard, and Mark C. Wilson
Published online 21 March 2002

Light Graphs with Small Routing Cost 130
Bang Ye Wu, Kun-Mao Chao, and Chuan Yi Tang
Published online 19 March 2002

Worst-Case Incremental Analysis for a Class of *p*-Facility Location Problems 139
R. L. Francis, T. J. Lowe, and A. Tamir
Published online 19 March 2002

Efficient Algorithms for Centers and Medians in Interval and Circular-Arc Graphs 144
Sergei Bespamyatnikh, Binay Bhattacharya, Mark Keil, David Kirkpatrick, and Michael Segal
Published online 21 March 2002

Superconnected Digraphs and Graphs with Small Conditional Diameters 153
C. Balbuena, J. Fàbrega, X. Marcote, and I. Pelayo
Published online 21 March 2002

Exact Algorithms for Minimum Routing Cost Trees 161
Matteo Fischetti, Giuseppe Lancia, and Paolo Serafini
Published online 21 March 2002

JULY 2002 VOLUME 39, NUMBER 4

Lazy Evaluation in Penniless Propagation over Join Trees 175
Andrés Cano, Serafín Moral, and Antonio Salmerón
Published online 12 April 2002

Forbidden Subpaths for Steiner Minimum Networks in Uniform Orientation Metrics 186
M. Brazil, D. A. Thomas, and J. F. Weng
Published online 2 May 2002

Better Approximation Ratios for the Single-Vehicle Scheduling Problems on Line-Shaped Networks 203
Yoshiyuki Karuno, Hiroshi Nagamochi, and Toshihide Ibaraki
Published online 31 May 2002

Length-Constrained Path-Matchings in Graphs 210
M. Ghodsi, M. T. Hajiaghayi, M. Mahdian, and V. S. Mirrokni
Published online 31 May 2002

Dimensioning Multicast-Enabled Communications Networks 216
Mikael Prytz and Anders Forsgren
Published online 31 May 2002

Author Index to Volume 39 235

Subject Index to Volume 39 237

Volume Contents